

California Regional Water Quality Control Board
North Coast Region

Monitoring And Reporting Program No. R1-2002-44
(Revised August 20, 2003)

For

Shell Oil Company, Shell Service Station
778 Gravenstein Highway, South
Sebastopol, California
Case No. 1TSO116

Sonoma County

MONITORING

1. All groundwater monitoring wells shall be checked quarterly for the presence or absence of free product. If free product is present, the thickness shall be measured to at least 0.01 foot increments.
2. Prior to purging, the depth to groundwater in all monitoring wells shall be determined to at least 0.01 foot increments on a quarterly basis. The data generated from the elevation readings must be referenced to mean sea level.

SAMPLING AND LABORATORY ANALYSIS

3. Monitoring wells shall be sampled in accordance with the following table:

Monitoring Well	Sampling Frequency	TPH Gas	BTEX	1,2-DCA and MTBE
S-10	Semiannual	X	X	X
S-11	Semiannual	X	X	X
S-12	Semiannual	X	X	X
S-13	Quarterly	X	X	X
S-14	Quarterly	X	X	X
S-15	Quarterly	X	X	X
S-16	Quarterly	X	X	X
S-17	Quarterly	X	X	X
S-18	Quarterly	X	X	X

4. All testing shall be performed at a laboratory certified by the California Department of Health Services.

REPORTING

5. A groundwater elevation contour map and isogram map shall be submitted for each set of measurements and shall include the:
 - a) location of facilities;
 - b) location of the monitoring wells;
 - c) location of the former and current underground tanks;
 - d) location of underground utility lines;
 - e) groundwater flow pattern including the direction of the groundwater gradient.
6. Current and previous analytical results shall be reported in tables, which include the following:
 - a) monitoring well sampled;
 - b) sample collection date;
 - c) thickness of any floating product;
 - d) constituents and analytical results;
 - e) method detection limits employed.
7. Each report shall also contain copies of the chain of custody including the date and time of sample collection, the name of the person collecting the samples, and the signed lab sheets including QA/QC.
8. Monitoring reports shall be submitted to this office in accordance with the following schedule:

<u>Sampling Period</u>	<u>Report Due</u>
January, February, March	April 15
April, May, June	July 15
July, August, September	October 15
October, November, December	January 15

Ordered by _____

Catherine E. Kuhlman
Executive Officer

August 20, 2003